

COUPLING DEVICE FOR PRESSURE FLUID CONDUITS AND A METHOD FOR THE MANUFACTURING OF SUCH A COUPLING, COMPRISING A LEAKAGE GROOVE FOR INDICATION OF LEAKAGE

Abstract

Method and arrangement for providing a coupling device for conduits of pressurized media which consists of (includes) at least two coupling parts (1, 2) that are possible to couple to each other in the shape of a female part and a male part which is insertable into the female part. A locking device is arranged to hold the coupling parts completely coupled in a locking position. The locking device comprises a locking member (11) positioned at one of the coupling parts (2) which in a locking position attaches into a recess (12) in the other coupling part. A sealing member (6) in the locking position achieves sealing between the coupling parts. The other coupling part (1) exhibits a further recess (16) in which the locking member can be brought to locking of the coupling parts (1, 2) in an outer locking position when the two coupling parts are coupled to each other. In the outer locking position there is incomplete sealing with the two coupling parts being locked so that they are prevented from coming apart but are incompletely coupled together and allowed to be brought together to said locking position for the complete coupling of the coupling parts. In the presence of pressurized media, this enables an indication that the outer locking position has been assumed due to the presence of leakage of pressurized media. The leakage is obtained via a leakage groove (20) which is angled towards the radial plane of the coupling parts. The leakage groove can thus be made by means of rotating machining.